ECE-345-001 (Fall 2020)

Review Test Submission: Quiz 5.3

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Course	Intro to Control Systems - Fall 2020 Section Group I67
Test	Quiz 5.3
Started	9/29/20 3:31 PM
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Status	Completed
Attempt Score	2 out of 2 points
Time Elapsed	47 minutes
Results Displayed	Submitted Answers, Incorrectly Answered Questions

Question 1

1 out of 1 points

Which of the following correctly describes the relationship between the poles of the open-loop system and the poles of the closed-loop system under negative unitary feedback? (More than one answer may be correct.)

Selected Answers:

The poles of the open-loop system are the same as the poles of the closed-loop system for $K = 0$.

The poles of the open-loop system are different from the poles of the closed-loop system for all positive values of K.

Question 2

1 out of 1 points

True or false?

The characteristic equation under negative unitary feedback always has complex roots, i.e., the poles of the closed-loop system are complex conjugate pairs, for all $K > 0$.

Selected Answer: False

Wednesday, September 30, 2020 10:55:08 AM MDT

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